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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/791,486	03/01/2004	Eliyahou Harari	SNDK.304US1	1878	
36257	7590 06/20/2005		EXAM	EXAMINER	
PARSONS HSUE & DE RUNTZ LLP			NGUYEN	NGUYEN, VIET Q	
655 MONTGOMERY STREET SUITE 1800			ART UNIT	PAPER NUMBER	
SAN FRANC	ISCO, CA 94111	2827			
			DATE MAILED: 06/20/200	5	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)			
Office Assistant Occupant	10/791,486	HARARI, ELIYAH	IOU		
Office Action Summary	Examiner	Art Unit			
	Viet Q. Nguyen	2827			
The MAILING DATE of this comm Period for Reply	unication appears on the cover she	et with the correspondence ac	ddress		
A SHORTENED STATUTORY PERIOD THE MAILING DATE OF THIS COMMU - Extensions of time may be available under the provisi after SIX (6) MONTHS from the mailing date of this co - If the period for reply specified above is less than third - If NO period for reply is specified above, the maximur - Failure to reply within the set or extended period for re Any reply received by the Office later than three mont earned patent term adjustment. See 37 CFR 1.704(b)	INICATION. ons of 37 CFR 1.136(a). In no event, however, rommunication. y (30) days, a reply within the statutory minimum in statutory period will apply and will expire SIX (6 pply will, by statute, cause the application to beachs after the mailing date of this communication, or some status of the	may a reply be timely filed of thirty (30) days will be considered time b) MONTHS from the mailing date of this come ABANDONED (35 U.S.C. § 133).			
Status	·				
1) Responsive to communication(s)	filed on <u>Pre-Amendment filed on 3</u>	<u>3/1/2004</u> .			
2a) This action is FINAL.	2b) ☐ This action is non-final.				
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims					
4) ⊠ Claim(s) <u>9-37</u> is/are pending in th 4a) Of the above claim(s) is 5) □ Claim(s) is/are allowed. 6) □ Claim(s) is/are rejected. 7) □ Claim(s) is/are objected to 8) ⊠ Claim(s) <u>9-37</u> are subject to restri	s/are withdrawn from consideration	· .			
Application Papers					
9) The specification is objected to by	the Examiner.				
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.					
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.					
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s)					
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review 		view Summary (PTO-413) er No(s)/Mail Date			
3) Information Disclosure Statement(s) (PTO-1449 Paper No(s)/Mail Date		ce of Informal Patent Application (PTG	O-152)		

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DETAILED ACTION

Election/Restrictions

1. This application contains claims directed to the following patentably distinct species of the claimed invention:

Group 1, claims 9-14 are drawn to a non-volatile memory for programming and reading data comprising an array of charge storage elements, a plurality of control gate lines extending across the array in a manner that opposing sidewalls of individual charge storage elements are capacitively coupled with at least two of control gate lines, and a decoder and voltage supply connected to the control gate lines to couple controlled voltages to the charge storage elements capacitively therewith during program data thereto and reading data therefrom;

Group 2, claims 15-30 are drawn to a non-volatile memory cell array comprising a plurality of strings of series connected cells extending in a first direction across a substrate, the cells including charge storage elements, the array including control lines extending in a second direction across the strings and including control gates adjacent charge storage elements thereof, the first and second directions being orthogonal, wherein the control gates are positioned between adjacent storage elements of the strings in a manner to be capacitively coupled with sidewalls of the adjacent storage elements of the memory cell strings on opposite sides of the control gates;

Group 3, claims 31-36 are drawn to a method of forming an array of non-volatile cells comprising the steps of "forming a layer of conductive material across substrate

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with a first layer of dielectric therebetween and a second layer of first type dielectric thereover", "removing portions of at least the conductive material and second layer of dielectric in strips having widths in a first direction...", "removing portions of second layer of dielectric through masking elements having dimensions in the second direction according to a minimum resolvable elements size...". "forming spacers of a second type of dielectric along the sidewalls of the islands of second layer of dielectric...", "removing the remaining portions of the second layer of dielectric from between the spacers, ...", and "thereafter removing portions of the layer of conductive material exposed in first and second set of gaps between the spacers, ...";

Group 4, claim 37 is drawn to a method of operating a memory cell array, wherein strings of a plurality of more than two non-volatile memory transistors are connectable in series to designated bit lines, comprising utilizing potentials on conductive gate elements positioned in capacitive coupling with the substrate in regions between the memory transistors to selectively provide a level of conductivity in the substrate along the strings through such regions.

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, no claim is generic.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim

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is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Viet Q. Nguyen whose telephone number is (571) 272-1788. The examiner can normally be reached on 7am-6pm (EST).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hoai Ho can be reached on (571) 272-1777. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

V. Nguyen6/15/2005

Viet Q Nguyen Primary Examiner Art Unit 2827

V. Mullon